

Application Number 09/867,054
Amendment dated June 24, 2004
Responsive to Office Action mailed March 26, 2004

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Currently amended): A display device comprising:
a display that presents a color images, the display including a housing; and
a processor integrated within the housing of the display device that adjusts the color
images presented by the display, wherein the processor:
receives color input including input color image data;
processes the color input based on a source device profile associated with a source
imaging device and a display profile associated with the display to generate altered color image
data; and
outputs the altered color image data to the display to present the color image.

Claim 2 (Canceled).

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Claim 3 (Currently amended): The display device of claim 12, wherein the processor
receives internal color input and external color input.

Claim 4 (Currently amended): The display device of claim 12, wherein the color input
includes a the display profile and a the source device profile.

Claim 5 (Canceled).

Claim 6 (Original): The display device of claim 3, wherein the internal color input includes
sensed conditions.

Application Number 09/867,054
Amendment dated June 24, 2004
Responsive to Office Action mailed March 26, 2004

Claim 7 (Original): The display device of claim 3, wherein the external color input includes user input.

Claim 8 (Currently amended): The display device of claim 3, wherein the external color input includes the input color image data.

Claim 9 (Currently amended): The display device of claim 1, wherein the processor is an application specific integrated circuit (ASIC).

Claim 10 (Original): The display device of claim 1, wherein the display is one of the following: Cathode ray tube, flat panel display, digital paper, plasma display, and electronic ink display.

Claims 11-12 (Canceled).

Claim 13 (Currently amended): The display device of claim 12, wherein the images rendered on the display substantially visually matches an images rendered by a the source device associated with the source profile.

Claim 14 (Currently amended): The display device of claim 1, further comprising an archive within the housing and coupled to the processor.

Claim 15 (Original): The display device of claim 14, wherein the archive stores a link indicative of a mapping of the color input from a particular source device to the display device.

Claim 16 (Original): The display device of claim 14, wherein the archive comprises electrically-erasable-programmable-read-only-memory.

Claim 17 (Original): The display device of claim 14, wherein the archive comprises random access memory.

Application Number 09/867,054
Amendment dated June 24, 2004
Responsive to Office Action mailed March 26, 2004

Claim 18 (Original): The display device of claim 1, wherein the processor is housed within the display.

Claims 19-20 (Canceled).

Claim 21 (Currently amended): The display device of claim 14, wherein the processor:
~~receives color input including a display profile, a source profile, and image data;~~
checks the archive to determine whether the altered color image data has already been
generated ~~processed~~ for the color input;
processes the color input to generate the altered color image data if the altered color
image data has not already been generated ~~processed~~; and
calls the altered color image data from the archive when the altered color image data has
already been generated ~~outputs the altered image data to the display.~~

Claim 22 (Currently amended): A method comprising:
receiving color input in a display device;
processing the color input in a processor internally housed integral within a housing of
the display device to generate altered image data; and
displaying a color image according to the altered image data.

Claim 23 (Original): The method of claim 22, wherein receiving color input in the display device comprises receiving internal input and external input.

Claim 24 (Original): The method of claim 23, wherein receiving internal input includes receiving sensed conditions.

Claim 25 (Original): The method of claim 23, wherein receiving internal input includes receiving a display profile.

Application Number 09/867,054
Amendment dated June 24, 2004
Responsive to Office Action mailed March 26, 2004

Claim 26 (Original): The method of claim 23, wherein receiving external input includes receiving sensed conditions.

Claim 27 (Original): The method of claim 23, wherein receiving external input includes receiving image data.

Claim 28 (Original): The method of claim 23, wherein receiving external input includes receiving a source profile.

Claims 29-30 (Canceled).

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Claim 31 (Currently amended): The method of claim 22, further comprising generating a link indicative of a mapping of the color input from a particular source device to the display device.

Claim 32 (Currently amended): The method of claim 31, further comprising storing the link in an archive coupled to the processor integral with the display device.

Claim 33 (Currently amended): A color matching hardware unit integral with a display device, the hardware unit comprising:

a housing, and

an archive in the housing; and

a processor in the housing and coupled to the archive that:

receives color input;

processes the color input; and

generates a link indicative of a mapping of the color input from a particular source device to the display device;

stores the link in the archive; and

outputs altered color image data to the display device.

Application Number 09/867,054
Amendment dated June 24, 2004
Responsive to Office Action mailed March 26, 2004

Claims 34-35 (Canceled).

Claim 36 (Original): The color matching hardware unit of claim 33, wherein the processor receives color input including a display profile, a source profile and image data.

Claim 37 (Currently amended): The color matching ~~processor~~ hardware unit of claim 33, wherein the processor receives internal color input from the display device and external color input from a source other than the display device.

Claim 38 (Currently amended): A system comprising:
a plurality of display devices, each display device including a display defining a housing and an internally integrated integral-color matching processor within the housing;
a color management control coupled to the display devices; and
at least one printing device coupled to the color management control.

Claims 39-40 (Canceled).

Claim 41 (Original): The system of claim 38, wherein each respective color matching processor:

receives color input from the color management unit,
processes the color input; and
outputs altered color image data to the respective display device associated with the respective color matching processor.

Claim 42 (Original): The system of claim 41, wherein each respective color matching processor receives color input from the respective display device associated with the respective color matching processor.

Application Number 09/867,054
Amendment dated June 24, 2004
Responsive to Office Action mailed March 26, 2004

Claim 43 (Currently amended): The system of claim 38, further comprising a plurality of archives, wherein each of the archives is coupled to one of the internally integrated ~~integral~~ color matching processors.

Claim 44 (New): The system of claim 43, wherein each of the archives store links indicative of mappings of color input from particular source devices to the respective display devices associated with the respective archives.

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Claim 45 (New): The method of claim 32, further comprising:
receiving another color input, the another color input being the same as the color input for which the link was generated; and
accessing the archive to obtain the link without re-generating the altered color image data.
